

Javed Cardiac Center, PLLC  
Mohammad Javed Rana, MD  
2003 Leatherwood Lane  
Bluefield, Virginia 24605  
(276) 322-0000 Office  
(276) 322-0003 Fax

NMSBZ

16 January 2007

Licensing Assistant Section  
Nuclear Materials Safety Branch  
U.S. Nuclear Regulatory Commission, Region I  
475 Allendale Road  
King of Prussia, PA 19406-1415

03037085

RECEIVED  
REGION I  
2007 JAN 22 PM 12:23

**Re: Amendment to USNRC License # 45-31100-01 Javed Cardiac Center**


To Whom It May Concern:


Javed Cardiac Center wishes to amend its current USNRC materials license to reflect a proposed change in Radiation Safety Officer.

1. **Change Radiation Safety Officer (RSO):** We wish to change radiation safety officers from **James P. Nunn, MS** to **M. Javed Rana, MD**. Dr Javed is an authorized user on this license and has undergone a 1 year preceptorship with Mr. Nunn from January 2006 through January 2007. Additionally, Dr Javed has received 200 hours of classroom training in the items described in 10 CFR 35.50(b)(1). Please find his USNRC form 313A (10-2006 version) attached with this amendment request.

If you have any further questions regarding this amendment request or would like to discuss it further do not hesitate to contact me.

Sincerely,

  
James P. Nunn, MS  
Radiation Safety Officer

  
M. Javed Rana, MD  
Authorized User/Proprietor

Attachments: NRC form 313A (RSO)

Page 1 of 1

Javed Cardiac Center USNRC License #45-31100-01 Docket 030-37085  
Amendment Request 16 January 2007

139992  
NMSO/RGN MATERIALS-002

**RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE  
AND PRECEPTOR ATTESTATION  
[10 CFR 35.50]**

APPROVED BY OMB: NO. 3150-0120  
EXPIRES: 10/31/2008

Name of Proposed Radiation Safety Officer

M. Javed Rana, MD

Requested Authorization(s) *The license authorizes the following medical uses (check all that apply):*

- 35.100   
  35.200   
  35.300   
  35.400   
  35.500   
  35.600 (remote afterloader)  
 35.600 (teletherapy)   
  35.600 (gamma stereotactic radiosurgery)   
  35.1000 ( \_\_\_\_\_ )

**PART I -- TRAINING AND EXPERIENCE  
(Select one of the four methods below)**

\*Training and Experience, including board certification, must have been obtained within the 7 years preceding the date of application or the individual must have obtained related continuing education and experience since the required training and experience was completed. Provide dates, duration, and description of continuing education and experience related to the uses checked above.

**1. Board Certification**

- a. Provide a copy of the board certification.
- b. Use Table 3.c. to describe training in radiation safety, regulatory issues, and emergency procedures for all types of medical use on the license.
- c. Skip to and complete Part II Preceptor Attestation.

**OR**

**2. Current Radiation Safety Officer Seeking Authorization to Be Recognized as a Radiation Safety Officer for the Additional Medical Uses Checked Above**

- a. Use the table in section 3.c. to describe training in radiation safety, regulatory issues, and emergency procedures for the additional types of medical use for which recognition as RSO is sought.
- b. Skip to and complete Part II Preceptor Attestation.

**OR**

**3. Structured Educational Program for Proposed Radiation Safety Officer**

a. Classroom and Laboratory Training

Description of Training	Location of Training	Clock Hours	Dates of Training*
Radiation physics and instrumentation	Institute for Nuclear Medical Education Boulder, CO	50	1/6/1996
Radiation protection	Institute for Nuclear Medical Education Boulder, CO	50	6/15/1996
Mathematics pertaining to the use and measurement of radioactivity	Institute for Nuclear Medical Education Boulder, CO	50	6/15/1996
Chemistry of byproduct material for medical use	Institute for Nuclear Medical Education Boulder, CO	50	6/15/1996
Radiation biology	completed with radiation protection		
<b>Total Hours of Training: 200 hours</b>			

**RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)**

**3. Structured Educational Program for Proposed Radiation Safety Officer (continued)**

**b. Supervised Radiation Safety Experience**

*(If more than one supervising individual is necessary to document supervised work experience, provide multiple copies of this section.)*

Description of Experience	Location of Training/ License or Permit Number of Facility	Dates of Training*
Shipping, receiving, and performing related radiation surveys	Javed Cardiac Center, Bluefield, VA License #45-31100-01	Jan 2006 - Jan 2007
Using and performing checks for proper operation of instruments used to determine the activity of dosages, survey meters, and instruments used to measure radionuclides	Javed Cardiac Center, Bluefield, VA License #45-31100-01	Jan 2006 - Jan 2007
Securing and controlling byproduct material	Javed Cardiac Center, Bluefield, VA License #45-31100-01	Jan 2006 - Jan 2007
Using administrative controls to avoid mistakes in administration of byproduct material	Javed Cardiac Center, Bluefield, VA License #45-31100-01	Jan 2006 - Jan 2007
Using procedures to prevent or minimize radioactive contamination and using proper decontamination procedures	Javed Cardiac Center, Bluefield, VA License #45-31100-01	Jan 2006 - Jan 2007
Using emergency procedures to control byproduct material	Javed Cardiac Center, Bluefield, VA License #45-31100-01	Jan 2006 - Jan 2007
Disposing of byproduct material	Javed Cardiac Center, Bluefield, VA License #45-31100-01	Jan 2006 - Jan 2007
Licensed Material Used (e.g., 35.100, 35.200, etc.)+ 35.200 (Tc-99m & TI-201)  _____ _____ _____	Proposed RSO is an authorized user for materials as described in 10 CFR 35.100, 200 on this license.	

+ Choose all applicable sections of 10 CFR Part 35 to describe radioisotopes and quantities used: 35.100, 35.200, 35.300, 35.400, 35.500, 35.600 remote afterloader units, 35.600 teletherapy units, 35.600 gamma stereotactic radiosurgery units, emerging technologies (provide list of devices).

**RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)**

**3. Structured Educational Program for Proposed Radiation Safety Officer (continued)**

b. Supervised Radiation Safety Experience (continued)

*(If more than one supervising individual is necessary to document supervised work experience, provide multiple copies of this section.)*

Supervising Individual James P. Nunn, MS	License/Permit Number listing supervising individual as a Radiation Safety Officer 45-31100-01
This license authorizes the following medical uses:	
<input checked="" type="checkbox"/> 35.100 <input checked="" type="checkbox"/> 35.200 <input type="checkbox"/> 35.300 <input type="checkbox"/> 35.400	
<input type="checkbox"/> 35.500 <input type="checkbox"/> 35.600 (remote afterloader) <input type="checkbox"/> 35.600 (teletherapy)	
<input type="checkbox"/> 35.600 (gamma stereotactic radiosurgery) <input type="checkbox"/> 35.1000 ( _____ )	

c. Describe training in radiation safety, regulatory issues, and emergency procedures for all types of medical use on the license.

Description of Training	Training Provided By	Dates of Training*
Radiation safety, regulatory issues, and emergency procedures for 35.100, 35.200, and 35.500 uses	James P. Nunn, M.S. on routine monthly visits to facility.	Jan 2006 - Jan 2007
Radiation safety, regulatory issues, and emergency procedures for 35.300 uses	Not applicable	
Radiation safety, regulatory issues, and emergency procedures for 35.400 uses	N/A	
Radiation safety, regulatory issues, and emergency procedures for 35.600 - teletherapy uses	N/A	
Radiation safety, regulatory issues, and emergency procedures for 35.600 - remote afterloader uses	N/A	
Radiation safety, regulatory issues, and emergency procedures for 35.600 - gamma stereotactic radiosurgery uses	N/A	
Radiation safety, regulatory issues, and emergency procedures for 35.1000, specify use(s):	N/A	

**RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)**

**3. Structured Educational Program for Proposed Radiation Safety Officer (continued)**

c. Training in radiation safety, regulatory issues, and emergency procedures for all types of medical use on the license (continued)

Supervising Individual <i>If training was provided by supervising RSO, AU, AMP, or ANP. (If more than one supervising individual is necessary to document supervised training, provide multiple copies of this page.)</i> James P. Nunn, MS	License/Permit Number listing supervising individual 45-31100-01
License/Permit lists supervising individual as: <input checked="" type="checkbox"/> Radiation Safety Officer <input type="checkbox"/> Authorized User <input type="checkbox"/> Authorized Nuclear Pharmacist <input type="checkbox"/> Authorized Medical Physicist	
Authorized as RSO, AU, ANP, or AMP for the following medical uses: <input checked="" type="checkbox"/> 35.100 <input checked="" type="checkbox"/> 35.200 <input type="checkbox"/> 35.300 <input type="checkbox"/> 35.400 <input type="checkbox"/> 35.500 <input type="checkbox"/> 35.600 (remote afterloader) <input type="checkbox"/> 35.600 (teletherapy) <input type="checkbox"/> 35.600 (gamma stereotactic radiosurgery) <input type="checkbox"/> 35.1000 ( _____ )	

d. Skip to and complete Part II Preceptor Attestation.

**OR**

**4. Authorized User, Authorized Medical Physicist, or Authorized Nuclear Pharmacist identified on the licensee's license**

- a. Provide license number.
- b. Use the table in section 3.c. to describe training in radiation safety, regulatory issues, and emergency procedures for all types of medical use on the license.
- c. Skip to and complete Part II Preceptor Attestation.

**PART II – PRECEPTOR ATTESTATION**

Note: This part must be completed by the individual's preceptor. The preceptor does not have to be the supervising individual as long as the preceptor provides, directs, or verifies training and experience required. If more than one preceptor is necessary to document experience, obtain a separate preceptor statement from each.

**First Section**

Check one of the following:

**1. Board Certification**

I attest that \_\_\_\_\_ has satisfactorily completed the requirements in  
Name of Proposed Radiation Safety Officer  
 10 CFR 35.50(a)(1)(i) and (a)(1)(ii); or 35.50 (a)(2)(i) and (a)(2)(ii); or 35.50(c)(1).

**OR**

**2. Structured Educational Program for Proposed Radiation Safety Officers**

I attest that M. Javed Rana, MD has satisfactorily completed a structural educational  
Name of Proposed Radiation Safety Officer  
 program consisting of both 200 hours of classroom and laboratory training and one year of full-time radiation safety experience as required by 10 CFR 35.50(b)(1).

**OR**

**RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)**

**Preceptor Attestation (continued)**

**First Section (continued)**

Check one of the following:

**3. Additional Authorization as Radiation Safety Officer**

I attest that M. Javed Rana, MD is an  
Name of Proposed Radiation Safety Officer

- Authorized User                       Authorized Nuclear Pharmacist  
 Authorized Medical Physicist

identified on the Licensees license and has experience with the radiation safety aspects of similar type of use of byproduct material for which the individual has Radiation Safety Officer responsibilities

**AND**

**Second Section**

Complete for all (*check all that apply*):

I attest that M. Javed Rana, MD has training in the radiation safety, regulatory issues, and  
Name of Proposed Radiation Safety Officer

emergency procedures for the following types of use:

- 35.100
- 35.200
- 35.300      oral administration of less than or equal to 33 millicuries of sodium iodide I-131, for which a written directive is required
- 35.300      oral administration of greater than 33 millicuries of sodium iodide I-131
- 35.300      parenteral administration of any beta-emitter, or a photon-emitting radionuclide with a photon energy less than 150 keV for which a written directive is required
- 35.300      parenteral administration of any other radionuclide for which a written directive is required
- 35.400
- 35.500
- 35.600      remote afterloader units
- 35.600      teletherapy units
- 35.600      gamma stereotactic radiosurgery units
- 35.1000      emerging technologies, including:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

AND

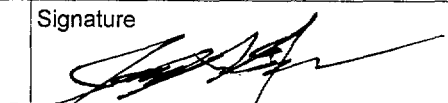
Third Section  
Complete for ALL

I attest that M. Javed Rana has achieved a level of radiation safety knowledge  
Name of Proposed Radiation Safety Officer  
sufficient to function independently as a Radiation Safety Officer for a medical use licensee.

Fourth Section  
Complete the following for Preceptor Attestation and signature

I am the Radiation Safety Officer for Javed Cardiac Center  
Name of Facility

License/Permit Number: 45-31100-01 Docket # 030-37085

Name of Preceptor James P. Nunn, MS	Signature 	Telephone Number (540) 353-2597	Date 1/4/2007
--	---	------------------------------------	------------------

This is to acknowledge the receipt of your letter/application dated

1/16/2007, and to inform you that the initial processing which includes an administrative review has been performed.

AMEND. 45-31100-d  
There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

Please provide to this office within 30 days of your receipt of this card

---

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned Mail Control Number 139992.  
When calling to inquire about this action, please refer to this control number.  
You may call us on (610) 337-5398, or 337-5260.